IN THE CLAIMS:

1. (Canceled)

2. (Previously Presented) A system for preparing an autologous solid-fibrin web suitable for regenerating tissue in a living organism, the system comprising:

a sealed primary container containing a separation medium capable of separating red blood cells from plasma when the container contains blood and is centrifuged, the primary container having a first pressure;

a sealed secondary container containing an ionic coagulation activator, the secondary container having a second pressure that is less than the first pressure; and

a transfer device capable of providing fluid communication between the first and second containers, wherein the separation medium is at least one of a gel, beads and a float device.

3. (Previously Presented) The system of claim 2, wherein the secondary container is evacuated.

4. (Previously Presented) The system of claim 2, wherein the ionic coagulation activator is selected from calcium chloride, calcium fluoride, calcium carbonate, calcium gluconate, calcium fumarate, calcium pyruvate and combinations thereof.

5. (Previously Presented) The system of claim 2, wherein the primary container further contains an anti-coagulant.

6. (Previously Presented) A system for preparing an autologous solid-fibrin web suitable for regenerating tissue in a living organism, the system comprising:

a sealed primary container containing a separation medium capable of separating red blood cells from plasma when the container contains blood and is centrifuged, the primary container having a first pressure;

a sealed secondary container containing an ionic coagulation activator, the secondary container having a second pressure that is less than the first pressure; and

a transfer device capable of providing fluid communication between the first and second containers,

wherein the transfer device comprises a cannula having a first end and a second end, the first and second ends being capable of puncturing the sealed primary and secondary

containers, and, wherein the first and second ends are each covered by an elastomeric sleeve, the elastomeric sleeve being retractable when the first or second ends puncture the primary or secondary sealed containers.

7-8. (Canceled)

9. (Previously Presented) The system of claim 11, wherein the ionic coagulation activator is selected from calcium chloride, calcium fluoride, calcium carbonate, calcium gluconate, calcium fumarate, calcium pyruvate and combinations thereof.

10. (Canceled)

11. (Previously Presented) A system for preparing an autologous solid-fibrin web capable of regenerating tissue in a living organism, the system comprising:

a sealed primary container having a first pressure, the primary container being capable of having blood drawn therein;

a sealed secondary container having a second pressure and containing an ionic-coagulation activator, the second pressure being less than the first pressure; and

a transfer device capable of puncturing the sealed containers, the transfer device being capable of transferring a portion of blood drawn in the primary container to the second container by pressure differentiation,

wherein the primary container contains a separation medium, a high-viscosity-low-density fluid and an anticoagulant, and wherein the separation medium is at least one of gel, beads and a float.

12-30. (Canceled)

31. (Previously Presented) The system of claim 2, wherein the secondary container contains one or more of an antibiotic, an analgesic, a cancer therapeutic, a platelet-growth factor and a bone morphogenic protein.

32. (Previously Presented) The system of claim 11, wherein the secondary container contains one or more of an antibiotic, an analgesic, a cancer therapeutic, a platelet-growth factor and a bone morphogenic protein.

33-37. (Canceled)

38. (Previously Presented) The system of claim 11, wherein the transfer device comprises a cannula having a first end and a second end, and wherein the first and second ends are each covered by an elastomeric sleeve, the elastomeric sleeve being retractable when the first or second ends puncture the primary or secondary sealed containers.

39-43. (Canceled)

44. (Previously Presented) The system of claim 6, wherein the secondary container is evacuated.

45. (Previously Presented) The system of claim 6, wherein the ionic coagulation activator is selected from calcium chloride, calcium fluoride, calcium carbonate, calcium gluconate, calcium fumarate, calcium pyruvate and combinations thereof.

46. The system of claim 6, wherein the primary container further contains an anti-coagulant.

47. (Previously Presented) The system of claim 6, wherein the secondary container contains one or more of an antibiotic, an analgesic, a cancer therapeutic, a platelet-growth factor and a bone morphogenic protein.

48. (Previously Presented) The system of claim 11, wherein the secondary container is evacuated.